

Work Permit #	21-201	0-4
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Work Order # NIA Job# MA Activity # 1. Work requester fills out this section. ☐ Standing Work Permit Requester: D. LYNCH Date: 2010 225 3 Dept/Div/Group: Other Contact person (if different from requester): B1665 Ext.: 757 Work Control Coordinator: YRCH Start Date: 5/7/2013 Est. End Date: Equipment A Drand Service Provi PREMIX REAL Brief Description of Work: PIDINA M INSMA Room: Building: 100 8 GM PAP an Service Provider: 2. WCC, Requester/Designee, Service Provider, and ESS&H (as necessary) fill out this section or attach analysis **ESS&H ANALYSIS Radiation Concerns** None ☐ Activation □ Airborne □ Contamination ☐ Radiation ☐ Special nuclear materials involved, notify Isotope Special Materials Group ☐ Fissionable materials involved, notify Laboratory Criticality Officer Radiation Generating Devices:

Radiography ☐ Moisture Density Gauges ☐ Soil Density Gauges ☐ X-ray Equipment Safety and Security Concerns □ None □ Explosives ☐ Transport of Haz/Rad Material ☐ Adding/Removing Walls or Roofs ☐ Critical Lift ☐ Fumes/Mist/Dust* ☐ Magnetic Fields* Pressurized Systems ☐ Asbestos* Cryogenic ☐ Heat/Cold Stress ☐ Nanomaterials/particles* ☐ Railroad Work ☐ Beryllium* ☐ Electrical ☐ Hydraulic ☐ Noise* □ Rigging ☐ Biohazard* ☐ Elevated Work ☐ Lasers* ☐ Non-ionizing Radiation* ☐ Security Concerns ☐ Chemicals/Corrosives* ☐ Excavation □ Lead* ☐ Oxygen Deficiency* ☐ Suspect/Counterfeit Items ☐ Confined Space* ☐ Ergonomics* ☐ Material Handling ☐ Penetrating Fire Walls ☐ Vacuum * Industrial Hygiene (IH) Review Required □ Other None **Environmental Concerns** ☐ Work impacts Environmental Permit No. ☐ Land Use Institutional ☐ Atmospheric Discharges (rad/non-rad) ☐ Soil Activation/contamination ☐ Waste-Mixed Controls ☐ Chemical or Rad Material Storage or Use ☐ Liquid Discharges ☐ Waste-Clean ☐ Waste-Radioactive ☐ Cesspools (UIC) ☐ Oil/PCB Management □ Waste-Hazardous ☐ Waste-Regulated Medical ☐ High water/power consumption ☐ Waste-Industrial ☐ Spill potential ☐ Underground Duct/Piping Waste disposition by: □ Other Pollution Prevention (P2)/Waste Minimization Opportunity: □ No □ Yes **FACILITY CONCERNS** None ☐ Electrical Noise ☐ Potential to Cause a False Alarm □ Vibrations □ Access/Egress □ Limitations ☐ Impacts Facility Use Agreement □ Other ☐ Temperature Change ☐ Configuration Control ☐ Maintenance Work on Ventilation Systems ☐ Utility Interruptions **WORK CONTROLS Work Practices** □ None □ Lockout/Tagout ☐ Exhaust Ventilation ☐ Spill Containment ☐ Security (see Instruction Sheet) Back-up Person/Watch ☐ HP Coverage ☐ Posting/Warning Signs ☐ Time Limitation □ Other ☐ Scaffolding-requires □ Barricades ☐ IH Survey ☐ Warning Alarm (i.e. "high level") inspection Personal Protective Equipment □ None ☐ Ear Plugs Gloves Safety Glasses ☐ Lab Coat □ Coveralls ☐ Ear Muffs ☐ Safety Harness ☐ Goggles ☐ Respirator* ☐ Disposable Clothing ☐ Face Shield ☐ Hard Hat ☐ Shoe Covers Safety Shoes Other Permits Required (Permits must be valid when job is scheduled.) None □ Cutting/Welding ☐ Impair Fire Protection Systems ☐ Concrete/Masonry Penetration ☐ Digging/Core Drilling ☐ Rad Work Permit-RWP No ☐ Confined Space Entry ☐ Electrical Working Hot □ Other Dosimetry/Monitoring None ☐ Heat Stress Monitor ☐ Real Time Monitor □ TLD ☐ Self-reading Pencil ☐ Waste Characterization ☐ Air Effluent ☐ Noise Survey/Dosimeter Dosimeter ☐ Self-reading Digital

Training Requirements (List specific training requirements) Britail Buggeres COO ACCESS CAYO SIA19194

Based on analysis above, the Walkdown Team determines the risk, complexity, and coordination ratings below:

☐ O₃/Combustible Gas

☐ Passive Vapor Monitor

If using the permit when all hazard ratings are low, only the following need to sign: (Although allowed, there is no need to use

				back of form),	
ESS&H Risk Level:	Low	☐ Moderate	□ High	WCC: HERN 3	Date:
Complexity Level:	Low	☐ Moderate	□ High	Service Provider:	Date:
Work Coordination:	Low	☐ Moderate	□ High	Authorization to start	Date 3
				(Departmental Sup/WCC/Designee)	

Dosimeter

☐ Sorbent Tube/Filter Pump

□ Other

☐ Ground Water

☐ Liquid Effluent

Work Plan (procedures, timing, equipment upon conflettor at BE ATATIED B	and personnel availability need to be	e addresse	O): ML WORK	Ayour	(CO	netyT)	STAL
NOTE: THIS WIP DOWN							
Special Working Conditions Required (e.g.,	Industrial Hygiene hold points or oth	ner monitori	na)	y Den	111 - 1	CEC 18160	41117-5
			NOME				
Notifications to operations and Operational	Limits Requirements:	M	DIE.	Thursday I			
Post Work Testing, Notification or Documer	itation Required:	INE	Scholing 12 1 1 1 1 1 1	,,			
Job Safety Analysis Required: ☐ Yes N	lo l	atti Kal	Walkdown Completed (Req	uired): Yes		& Parity (1)	
Reviewed by: Primary Reviewer signature controlled according to BNL requirements.	means that the hazards and risks th	nat could im	pact ESS&H have been ident	ified, a Walkdo	own was co	mpleted and the	hazards will be
Title	Name (print)	Sign	ature	Life#		Date	Mark Control
Primary Reviewer							
ES&H Professional			Marin Marin Marin			E STATE OF THE STA	The same of the same of
Building Manager			per life in the li				VI STATES
Service Provider							
Work Control Coordinator							
Safety and Health Services (i.e. IH Rep)							
Other							
4	Review Done: □ in series	□ te:	am				
4. Job site personnel fill out this sec	tion.						
Note: Signature indicates personnel perfor	ming work have read and understand	d the hazar	ds and permit requirements (in	ncluding any a	ttachments).	
Job Supervisor:			Contractor Supervisor:	diameter in i	Street, Thomas and I		
Workers:	Life#:	Life#:		Workers:			
						A Marian Hall	residential D
							And the state of t
				4			April 12 Company
Workers are encouraged to provide feedba	ck on ESS&H concerns or on ideas for	or improve	d job work flow. Use feedback	form or spac	e below.		
5. Department/Division Line Manage	r or Designee						And the second second
Conditions are appropriate to start work: (F	Permit has been reviewed, work control	rols are in p	place and site is ready for job.				The same of
Name:	Signature:		Life#:		Date:		ERSONAL SERVICE
6. Worker provides feedback.							
Worker Feedback (use attached sheets a	as necessary)					Salara Int	The state of the s
a) WCM/WCC: Are there any cha	anges as a result of worker feedback	? □ Yes	□No				
Note: See work planning and control subje	ct area section 2.6.						
7. Post Job Review/Closeout: Work of acceptable condition. (WCC can of placards, postings, procedures, etc.)	delegate clean up of work area						
Name:	Signature:	14.41	Life#:	Majaran II	Date:	HOME 13	
Comments:		mile to	amaga Ellis anda	NIVE III	01	1600	N. DRVINIT
Star Marcan II approximate days 2							

3. Both work requester and service provider contribute to work plan (use attachments for detailed plans)